

Senior Leadership Briefing
Hurricane Irma and Post-Tropical Cyclone Harvey
Wednesday, September 6, 2017 (5:00 a.m. EDT)
Executive Summary
Updates in Blue

Overview:

FEMA is coordinating the interagency and multi-regional response to multiple events. FEMA is monitoring Hurricane Irma in the Atlantic and Post-Tropical Cyclone Harvey recovery operations.

Current Situation:

Hurricane Irma

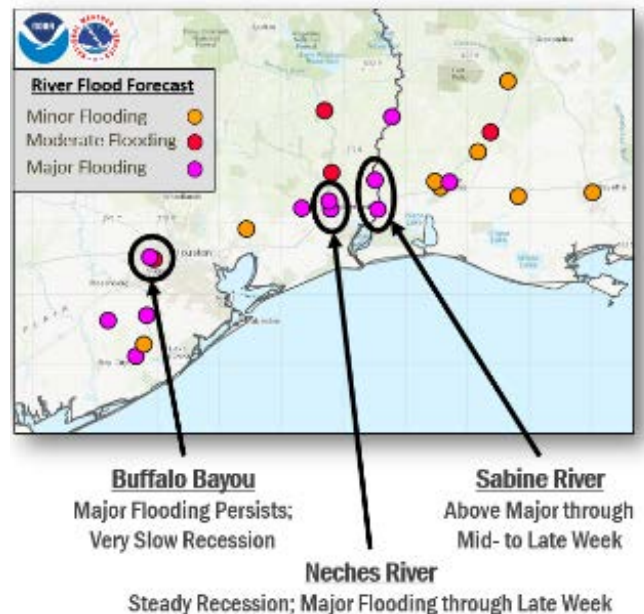
Major Hurricane Irma is one of the most powerful Atlantic Hurricanes ever observed. At 2:00 a.m. EDT, the eye of Major Hurricane Irma was located about 40 miles north of Antigua, moving west-northwest at 15 mph. Maximum sustained winds are 185 mph with higher gusts. Irma is an extremely dangerous category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days.

A Hurricane Warning continues for USVI and PR. Tropical storm conditions are expected in the next few hours in the USVI, and in PR later Wednesday morning. Hurricane conditions are expected in the USVI this afternoon, with hurricane conditions in the northeast part of PR; and very strong tropical storm conditions over the remainder of PR this evening. A small shift to the south today would result in a direct hit on PR. However, the current forecast is for the hurricane to remain just to its north. (NOAA Update, September 5, 2017, 11:00 a.m. EDT)



Post-Tropical Cyclone Harvey

Coastal sections of Texas and southwest Louisiana will have some showers and thunderstorms this morning. Widespread, heavy rainfall is not expected. Somewhat drier air will build in behind these showers later in the day today. Heat indices will be in the lower 90s today, resulting in some heat-related illnesses for citizens without access to air-conditioning or cooling areas. Thursday will be drier with high temperatures in the mid-80s to near 90. Rivers continue to recede in the region, but major to record levels will persist through late this week for several areas, including Houston and Beaumont. (NOAA Update, September 6, 2017, 5:00 a.m. EDT)



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Hurricane Irma
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Impact Summary:

- Evacuations:
 - Monroe County, FL (Florida Keys) has ordered mandatory evacuations for visitors on the morning of September 6 and residents the evening of September 6
 - Miami-Dade, FL
 - Individuals with special needs evacuated from Miami beginning September 6
 - Officials advised residents living in low-lying areas evacuating September 6 *(Florida Division of Emergency Management, September 5, 2017, 11:43 p.m. EDT)*
- Shelters:
 - PR: Capability of 455 shelters with a capacity of 62,155 *(Region II Update, September 5, 2017, 2:34 a.m. EDT)*
 - USVI: Capability of 32 shelters with a capacity of 4,306 *(Region II Update, September 5, 2017, 2:34 a.m. EDT)*
- **Critical Infrastructure:**
 - Airports:
 - Henry E Rohlsen Airport in St. Croix, USVI is closed excluding Hurricane Hunters and Military Relief Aircraft from 11:00 p.m. September 5 through 9:00 a.m. September 7
 - Cyril E King Airport in St. Thomas, USVI closed September 6 *(ESF-1 Update, September 5, 2017, 10:45 p.m. EDT)*
 - Luis Munoz Marin Airport in San Juan, PR reducing services September 6, cease operations September 7, and return to normal operations September 8 *(Federal Aviation Administration Spot Report, September 5, 2017, 1:15 a.m. EDT)*
 - Ports:
 - All PR and USVI ports closed
 - All Miami area ports anticipating Port Condition Whiskey (hurricane force winds possible within 72 hours) at 8:00 a.m. September 6. Sector Key West at Port Condition Whiskey effective 8:00 p.m. September 5; Vessels, 500 gross tons or more, must make departure plans prior to Port Condition Yankee (hurricane force winds possible within 24 hours) *(ESF-1 Update, September 5, 2017, 7:50 p.m. EDT)*
 - Rail: Florida East Coast Railroad initiated hurricane preparations; all other railroads are monitoring and waiting until the storm's path is more defined before deciding on where to stage supplies and move equipment *(ESF-1 Update, September 5, 2017, 3:08 p.m. EDT)*
 - Power Outages: Estimated outages based on September 5 NOAA forecast 8:00 a.m. EDT are 224,000 – 320,000 households potentially impacted in PR and 20,500 – 26,200 in USVI *(ESF-12 Update, September 5, 2017, 5:04 p.m. EDT)*
 - Water:
 - Baldorioty Storm Water Pump Station, San Juan, PR:
 - Plant operators devised a primary solution restoring the pump to 35% capacity, enabling both a 750-hp and a 500-hp pump to be operational; an alternate solution restoring operation to two 500-hp pumps provides lower capacity (25%), but is sufficient to prevent flooding *(ESF-12 Update; September 5, 2017, 11:04 p.m. EDT)*
 - Oil & Natural Gas: St. Croix, USVI, fuel supply is 13 days for diesel and 15 days for petroleum gas; St. Thomas fuel supply is 18 days for diesel and 20 days for petroleum gas *(ESF-12 Update; September 5, 2017, 8:36 p.m. EDT)*
 - Communications: PR has one Primary Public Safety Answering Point (PSAP) and USVI has two PSAPs located in the impact region; there are no secondary PSAPs; loss of the primary PSAPs will disrupt the dispatch center's ability to answer 911 calls for emergency assistance *(ESF-1 September 5, 2017, 1:01 p.m. EDT)*
 - Patient Movement: There are plans underway to move 99 patients from USVI, including seven in critical condition *(Region II Rolling Update, September 5, 2017, 12:07 p.m. EDT)*

Declaration Activity:

- **Puerto Rico**
 - Emergency Declaration FEMA-3384-EM effective September 5
 - Assistance is for all 78 municipalities in the Commonwealth of PR
 - Federal Coordinating Officer (FCO) is Alejandro DeLaCampo (*Emergency Declaration Summary 3384, September 5, 2017*)
- **U.S. Virgin Islands**
 - Emergency Declaration FEMA-3383-EM effective September 5
 - Assistance is for all islands in the Territory of the USVI
 - Federal Coordinating Officer (FCO) is William L. Vogel (*Emergency Declaration Summary 3383, September 5, 2017*)
- **Florida**
 - Emergency Declaration FEMA-3385-EM effective September 5
 - Assistance is for all 67 counties in the state of FL
 - Federal Coordinating Officer (FCO) is Justo Hernandez (*Emergency Declaration Summary 3385, September 5, 2017*)

Federal Force Laydown:

Department/Agency	Personnel Deployed	Department/Agency	Personnel Deployed
FEMA – Deployed	197	National Weather Service- NOAA	16
FEMA – Other Support	173	National Guard Bureau	0
Urban Search & Rescue	84	DOD – Title 10	65
Health and Human Services	67	General Services Administration	6
Department of Transportation	7	U.S. Army Corps of Engineers	25
United States Coast Guard	0	Department of the Interior	6
DHS – NPPD*	-	USDA - U.S. Forest Service	1
Department of Energy	9	Small Business Administration (SBA)*	-
US Department of Agriculture	2	Transportation Security Administration	0
Law Enforcement (ESF 13)	50	Housing and Urban Development*	-
Customs and Border Protection	0	Department of State	0
Civil Air Patrol	0	Environmental Protective Agency (EPA)*	-
			TOTAL: 708

*Updated personnel count to be provided in 5:00 p.m. Senior Leadership Brief

(FEMA deployed through DTS as of September 6, 2017 3:30 a.m. EDT)

FEMA Headquarters:

- **Recovery:** Initiating increases in call center capacity through Strategic Workforce Augmentation Teams (SWAT), local hires, and contract resources (*Recovery Update, September 5, 2017, 12:43 a.m. EDT*)
- **Federal Insurance and Mitigation Administration**
 - Flood insurance in the projected path of Hurricane Irma:
 - PR has approximately 6,000 Policies in Force (PIF)
 - USVI has approximately 1,400 PIF
 - FL has approximately 1.7 million PIF (*FIMA Update, September 5, 2017, 1:39 p.m. EDT*)

FEMA Region I:

- RRCC activated to Level III (day shift only) at 9:00 a.m. EDT on September 5
- Region I Incident Management Assistance Team (IMAT): Released from VT and currently at RRCC, preparing to deploy depending on Irma's track (*FEMA Region I Update, September 5, 2017, 12:27 p.m. EDT*)

FEMA Region II:

- FEMA Region II IMAT locations:
 - IMAT-A: St. Croix, USVI
 - IMAT-B: 1/3 force in USVI St. Thomas; 2/3 force in PR ready to deploy to USVI as needed
 - IMAT-C: PR (*FEMA Region II Update, September 5, 2017, 2:07 p.m. EDT*)
 - Region X IMAT: Deployed to PR (*FEMA Region II Update, September 4, 2017, 11:50 p.m. EDT*)
- Staff from the FEMA Caribbean Area Division in PR to provide support to Commonwealth and local officials
- **Puerto Rico:**
 - Governor declared a State of Emergency and activated PR National Guard for emergency support (*FEMA Region II Leadership Briefing, September 4, 2017, 6:00 p.m. EDT*)
- **U.S. Virgin Islands:**
 - EOC at a partial activation (*Region II Rolling Update, September 5, 2017, 12:07 p.m. EDT*)
 - Governor declared a State of Emergency and activated USVI National Guard into active military service (*USVI Government House, September 4, 2017, 4:18 p.m. EDT*)

FEMA Region III:

- RRCC activated to Level III (day shift only); will transition to Level II (24/7) on September 6 and Level I on September 7 (*FEMA Region III Update, September 5, 2017, 3:23 p.m. EDT*)

FEMA Region IV:

- RRCC transitioned to Level II (day shift) (*FEMA Region IV Update, September 5, 2017, 11:48 a.m. EDT*)
- Region IV IMAT 1 and N-IMAT East-2 en route to FL State EOC ; **Region IV IMAT-2 on standby**
- **Region IV Liaison Officers (LNO)** on site FL EOC, en route to SC EOC, and NC EOC to arrive September 6; Region IV providing FEMA LNOs to eleven at-risk counties per FL request, expected to be in place prior to storm passage
- Eight Federal USAR Teams ordered in support of Irma Response, including four for FL operations, four in reserve for Region IV, USVI, and PR as needed; one IDT of 50-100 staff and one IDT to support security for USAR teams
- Four Disaster Survivor Assistance (DSA) Task Forces established, to include 15 FEMA Corps teams supporting DSA and Disaster Recovery Center operations
- Commencing joint state, federal and DOD Keys Response Working Group to examine FL Keys response options, including air bridge and U.S. Navy amphibious resources (*FEMA Region IV Update, September 6, 2017, 1:04 a.m. EDT*)
- **Florida:**
 - EOC at Level I (Full Activation) (*FEMA Region IV Update, September 5, 2017, 7:44 p.m. EDT*)
 - State of Emergency declared for 67 counties (*FEMA Region IV SITREP #1, September 5, 2017, 7:44 p.m. EDT*)
 - Seminole Tribe of Florida at Level 2 (Partial Activation)
 - Tribal government and business operations open
 - Requests for assistance will go directly to FEMA with exception of law enforcement (LE) requests; LE requests will go to the Bureau of Indian Affairs
 - Tribal Council meeting on September 7 to discuss declaration options (*ESF-15 Update, September 5, 2017, 9:51 p.m., EDT*)
 - Miccosukee Tribe of Indians of Florida
 - Tribal Government and Business operations open
 - Tribal Council will make decision on declaration options September 6
 - Identification of vulnerable populations is underway (*ESF-15 Update, September 5, 2017, 9:51 p.m., EDT*)
 - Colleges and Universities
 - Florida Keys Community College Key West Campus and all centers closed until further notice
 - Miami-Dade College closed September 7-10
 - Florida Atlanta University and Florida International University cancelling classes September 6-10;

- Staff will report to offices September 6 to make necessary preparations
- Residential students will be allowed to shelter-in-place (*Florida Division of Emergency Management, September 5, 2017, 11:43 p.m. EDT*)

FEMA Region VI:

- In preparation for potential Hurricane Irma impacts in LA, Region VI is deploying a Type 3 IMAT team to Baton Rouge to establish an Initial Operating Facility at the Joint Field Office (*Region VI Update, September 5, 2017, 12:46 p.m.*)

Interagency Coordination/Response:

- **ESF-1: Transportation**
 - FL East Coast Railroad initiated hurricane preparations, other railroads are monitoring and waiting until the storm's path is more defined before deciding on where to stage supplies and move equipment (*ESF-1 Update, September 5, 2017, 3:08 p.m. EDT*)
- **ESF-2: Communications**
 - Mobile Emergency Response Support (MERS) Frederick has deployed an emergency operations vehicle to support the Urban Search and Rescue (US&R) team assembling in Herndon, VA; MERS will also send a Mobile Emergency Operations Vehicle (MEOV) to support the IMAT at the FL EOC
 - MERS personnel have completed communications tests of cached equipment in PR, St. Thomas, and St. Croix
 - Disaster Emergency Communications Coordinator and MERS personnel inventoried communications equipment and transported it to Initial Operating Facility (IOF) sites on St. Croix, St. Thomas, and PR (*ESF-2 Update, September 6, 2017, 1:55 a.m. EDT*)
- **ESF-3: Public Works and Engineering**
 - United States Army Corps of Engineers (USACE) Temporary Housing Planning and Response Team (PRT) alerted and postured to deploy as necessary (*ESF-3 Update, September 5, 2017, 5:36 p.m. EDT*)
 - Two Debris subject matter experts (SMEs) deployed to PR on September 5 (*ESF 2 Update, September 6, 2017, 1:55 a.m. EDT*)
- **ESF-5: Information and Planning**
 - Hurricane Irma Crisis Action Planning (CAP) Team planning for Irma's potential OCONUS and CONUS impact; CAP Team includes representatives from Regions II, III, and IV, as well as ESFs, Logistics, interagency partners, and DoD components (*FEMA in Action Update, September 5, 2017 3:33 p.m. EDT*)
- **ESF-6: Mass Care, Emergency Assistance, Housing, and Human Services**
 - Continuing coordination with American Red Cross as they confirm shelters and support with 455 shelters in PR and three in USVI; ARC plans to support feeding in USVI with Salvation Army vendors (*Region II Rolling Update, September 5, 2017, 7:01 a.m. EDT*)
 - Voluntary Organizations
 - American Red Cross pre-staging teams and resources in the impact area for a shelter population of 120,000 and able to pivot resources westward if track moves to the Gulf
 - PR:
 - 16 PR Voluntary Organizations Active in Disaster (VOAD) members awaiting further instructions for response support
 - Food Bank of PR coordinating with Government regarding feeding activities
 - FL:
 - American Red Cross are training FL state employees to assist in shelter management
 - Southern Baptist Disaster Relief (SBDR) able deploy to FL in support of feeding missions (*ESF-6 Update, September 6, 2017, 1:25 a.m. EDT*)
- **ESF-7: Logistics Management and Resource Support**
 - Establishing Incident Support Bases at Hato-Rey, PR and Distribution Center in Atlanta
 - Preparing to stage and push needed commodities to PR and USVI post landfall using Crowley vendor hub at Joint Base McGuire-Dix-Lakehurst, New Jersey (*ESF-7 Update, September 6, 2017, 1:44 a.m. EDT*)
 - All commodities arrived at USVI and are staged in St. Croix, St. Thomas, and St. John (*ESF-7 Update,*

September 6, 2017, 1:44 a.m. EDT)

- Preparing space at National Guard facility for FEMA personnel in St. Croix to shelter in place during storm and to work from post-storm, if necessary (*Region II Rolling Update, September 5, 2017, 7:01 a.m. EDT*)
- Coordinating inter-island movement to transport personnel if necessary (*Region II Rolling Update, September 5, 2017, 7:01 a.m. EDT*)
- **ESF-8: Public Health and Medical Services**
 - 66 Federal responders including Federal Health Coordinating Officials, Liaison Officers and Disaster Medical Assistance Team members deployed to San Juan, PR (*ESF-8 Update, September 6, 2017, 1:26 a.m. EDT*)
- **ESF-9: Search and Rescue**
 - 84 total US&R personnel arrived at deployment sites September 5:
 - ISTs (9 personnel) and VA-TF2 (39 personnel) arrived in Santa Catalina and Hato Rey, PR
 - ISTs (36 personnel) arrived in Herndon, Virginia and Colts Neck, NJ (*ESF-9 update, September 6, 2017, 1:54 a.m. EDT*)
- **ESF-10: Oil and Hazardous Materials Response**
 - Two nuclear power plants which may be impacted by Irma (Turkey Point in Miami-Dade, FL and St. Lucie in St. Lucie County, FL) will remain operating at full capacity until deemed by Preliminary Capability Assessment that emergency management plans are not valid (*Region II SAS C Team A Night Shift Update, September 6, 2017, 2:05 a.m. EDT*)
- **ESF-11: Agriculture and Natural Resources**
 - Food Nutrition Service (FNS) preparing to fulfill requests for commodities on Commonly Used Shelter Items (CUSH) list (*ESF-11 update, September 4, 2017, 11:05 p.m.*)
- **ESF-12: Energy**
 - DOE coordinating with the electricity industry, including the American Public Power Association (APPA) planning mutual aid for PR and USVI; APPA reached out to utility members to determine potential resources available for an island response should mutual aid be required
 - Many utilities in the Gulf Coast and East Coast holding crews in reserve for restorations in their service territories.
 - DOE holding an electricity industry coordination call Wednesday, September 6 planning mutual aid requirements and solutions (*ESF-12 Update, September 5, 2017, 11:00 p.m.*)
- **ESF-13: Public Safety and Security**
 - Two Quick Reaction Teams (QRTs) comprised of 100 Federal Law Enforcement Officers (FLEOs) en route to PR, scheduled to arrive September 6; Eight QTRs comprised of 200 FLEOs on ready reserve to respond to Irma as needed
 - Four additional personnel standing by to deploy to FEMA Regions II and IV
 - One Incident Management Team (IMT) on standby and available to support Irma response efforts (*ESF-13 Update, September 5, 2017, 11:23 p.m. EDT*)
- **ESF-15: External Affairs**
 - Social Media:
 - Widespread rumors exist on social media that FEMA is running out of money will not be able to support recovery efforts for Hurricane Irma
 - Individuals in PR sharing shelter information and downloading the Zello walkie talkie app hoping to maintain communication
 - FL residents experiencing depleted supplies at stores and long lines at gas stations
 - Engagements:
 - FEMA Administrator appearing on CBS and the Weather channel September 6 to discuss preparations for Irma and Harvey recovery
 - FEMA Administrator and LA Governor Edwards speaking September 6 (*ESF-15 Update, September 6, 2017, 12:01 a.m. EDT*)
- **U.S. Coast Guard**
 - Miami-based Incident Management Team activated; team is responsible for coordinating operations in the Caribbean and southeast United States

- Deployed two USCG Liaison Officers to Region II and one to St. Croix to support the Defense Coordinating Element *(USCG Update, September 5, 2017, 2:15 a.m. EDT)*
- **U.S. Department of the Interior (DOI)**
 - United States Geological Survey (USGS) working to ensure critical stream gauges in PR and FL are operational *(DOI Update, September 5, 2017 11:50 a.m. EDT)*
- **U.S. Department of Defense (DoD)**
 - US Northern Command (USNORTHCOM):
 - Defense Coordinating Officers and a Joint Enabling Teams are coordinating with civil authorities in USVI and PR
 - USS Kearsarge and USS Oak Hill transiting south under approved Mission Assignments (MA) with U.S. Marine Corps and Navy Defense Support of Civil Authorities (DSCA) forces; FEMA LNOs embarked
 - Civil Authorities Information Support (CAIS) teams are positioning to deploy post landfall and will bring critical radio, loudspeaker, and messaging capabilities, if requested
 - US Transportation Command (USTRANSCOM):
 - Aerial Port opening capability operationally positioned for Irma response
 - Provided strategic lift for FEMA Urban Search & Rescue teams (VA-Task Force 2)
 - Defense Logistics Agency (DLA):
 - Shipping one million meals to Selma, AL per day beginning September 5 and researching expansion to a total of 3.2 million meals per day
 - MA approved to deliver and distribute 50,000 gallons of gasoline and 50,000 gallons of diesel to Warner Robins Air Force Base, GA by September 8; standing by to shift unused diesel from TX to support Irma efforts, if required
 - Trailer support: Expect to reach Initial Operating Capability (receiving and staging trailers) on September 7 and Full Operating Capability on September 8 (receiving, staging, and forwarding shipping trailers)
 - Civil Air Patrol (CAP):
 - PR, USVI, FL, GA, SC, and NC wings executing normal procedures for preparing for significant weather event to safeguard aircraft, equipment and personnel, including personnel availability post-landfall to provide support *(DoD update, September 6, 2017, 12:44 a.m. EDT)*

Commodities and Assets 9/6/2017 - 0500 EDT

Puerto Rico:

Transportation [ESF-1]

6 x MV-22 (Osprey); 2 x MH-53 (Heavy Lift, Rotary)
 3 x UH-1 (Huey)
 12 x MTRV CARGO (5 Ton truck)
 1 x Wrecker; 6 x HMMWV
 1 x LCU (Landing Craft Utility)
 9 x CRRC (Combat Rubber Rafting Crafts)
 2 x LARC-V (Amphibious Trucks)

Communications [ESF-2]

1 x CAPSET (Communications Suite)

Logistics [ESF-7]

1 x TRAM (10K Fork Lift); 2 x Front end loaders
 1 x MMV (All terrain fork lift)
 17 x Generators (2 x Gen Mechanics)
 4 x SIXCON Fuel (Fuel Bladders, 900 gal)
 2 x 900 gallon water bladders
 10 x 3,000 gallon water bladders
 2 x 1,500 gph water purification systems
 3 x 150 water purification systems

Public Health & Medical Services [ESF-8]

2 x Ambulance
 KSG: 6 x Operating Rooms; 600 total beds

Other Forces Not on Map:

Herndon, VA: Staging Area (3); MERS Mobile Operations Vehicle to Support US&R

Off East Coast of Cuba:

DOD: USS Kearsarge (LHD-3) and USS Oak Hill (LSD-51)

Rafael Hernandez Intl Airport-ISB

PPS-St. Thomas, VI

Blue Roof (rolls): 3,777
 Tarps (ea.): 761
 PPDS 20ft (ea.): 3
 Water (liters): 93,940 (7 TLs)
 Meals (ea.): 54,000 (3 TLs)
 MERS: Satellite phones deployed

PPS-St. John, VI

Water (ea.): 20,160 (1 TL)
 Meals (ea.): 18,000 (1 TL)
 PPDS 20ft (ea.): 1

Jose Aponte de la Torre Airport-ISB

DC-Caribbean, PR

Water (liters): 603,170 (42 TLs)
 Meals (ea.): 290,304 (14 TLs)
 Cots (ea.): 2,872 (4 TLs)
 EDS Cots (ea.): 1,550 (5 TLs)
 Blankets (ea.): 6,018 (1 TL)
 Generators (ea.): 70
 Blue Roof (rolls): 15,344 (25 TLs)
 Tarps (ea.): 13,272 (5 TLs)
 Infant Kits (ea.): 7
 Consumable Medical Supplies Kits (ea.): 4
 Durable Medical Equipment Kits (ea.): 4

PPS-St. Croix, VI

PPDS 20ft (ea.): 3
 Water (liters): 96,824 (7 TLs)
 Meals (ea.): 48,600 (2 TLs)
 HHS: Equipment Cache
 MERS: Satellite phones deployed

- DC (Distribution Center)
- ★ PPS (Pre-Positioning Site)
- ISB (Incident Support Base)

TL = Commodity
by 53 ft trailer loads.

FEMA Logistics OCONUS
 Commodities as reported 9/6/2017
 - 04:00 ET

Force Laydown Map 9/6/17- 0500 EDT

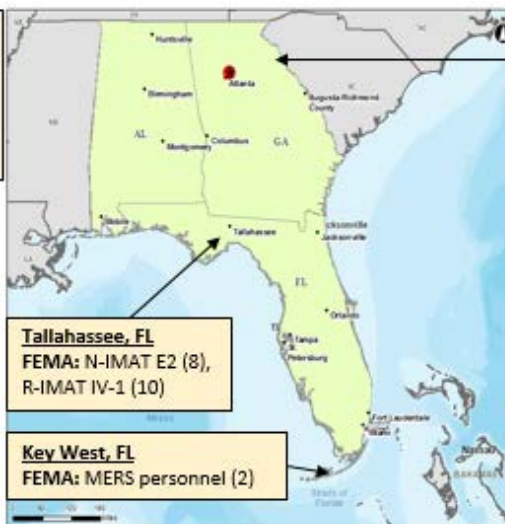
Other Forces Not on Map:

Herndon, VA:
ESF-9: Red IST; IST Cache

RRCC Colts Neck, NJ:
ESF-9: Red ICT

Florida:

NGB: 1,957 Available to Support



Tallahassee, FL

FEMA: N-IMAT E2 (8),
R-IMAT IV-1 (10)

Key West, FL

FEMA: MERS personnel (2)

Aguadilla, PR

FEMA: ISB (1)

RIV RRCC (Atlanta, GA)

FEMA: N-IMAT E2 (13), R-IMAT IV-2 (12)



- Region IV RRCC
- ★ Federal Staging Areas
- Distribution Center

San Juan, PR

FEMA: R-IMAT X (8), MERS personnel (4)
ESF-8: 1 DMAT; 1 IRCT
ESF-9: 2 Red ICT, VA-TF2 Type 3
DOD: R5 DCO/DCE (15)
NGB: NGRF Movement Enhancement Brigade with ~500 CSC (police)

Puerto Rico:

FEMA: R2 IMAT, R10 IMAT; 1 DCE Team (16)
ESF-2: 4 MERS personnel with satellite phones
ESF-8: 1 x Fleet Surgical Team (18 pax)
ESF-9: 39 US&R personnel, 2 x MH-60 (SAR Capable)
ESF-13: 1 QRTS
ESF-15: Civil Affairs Information Support Element (CAISE)
DOD: R5 DCO/DCE + LNO (6), Comms Team, Engineers Team
USACE: Power Team



St. Thomas

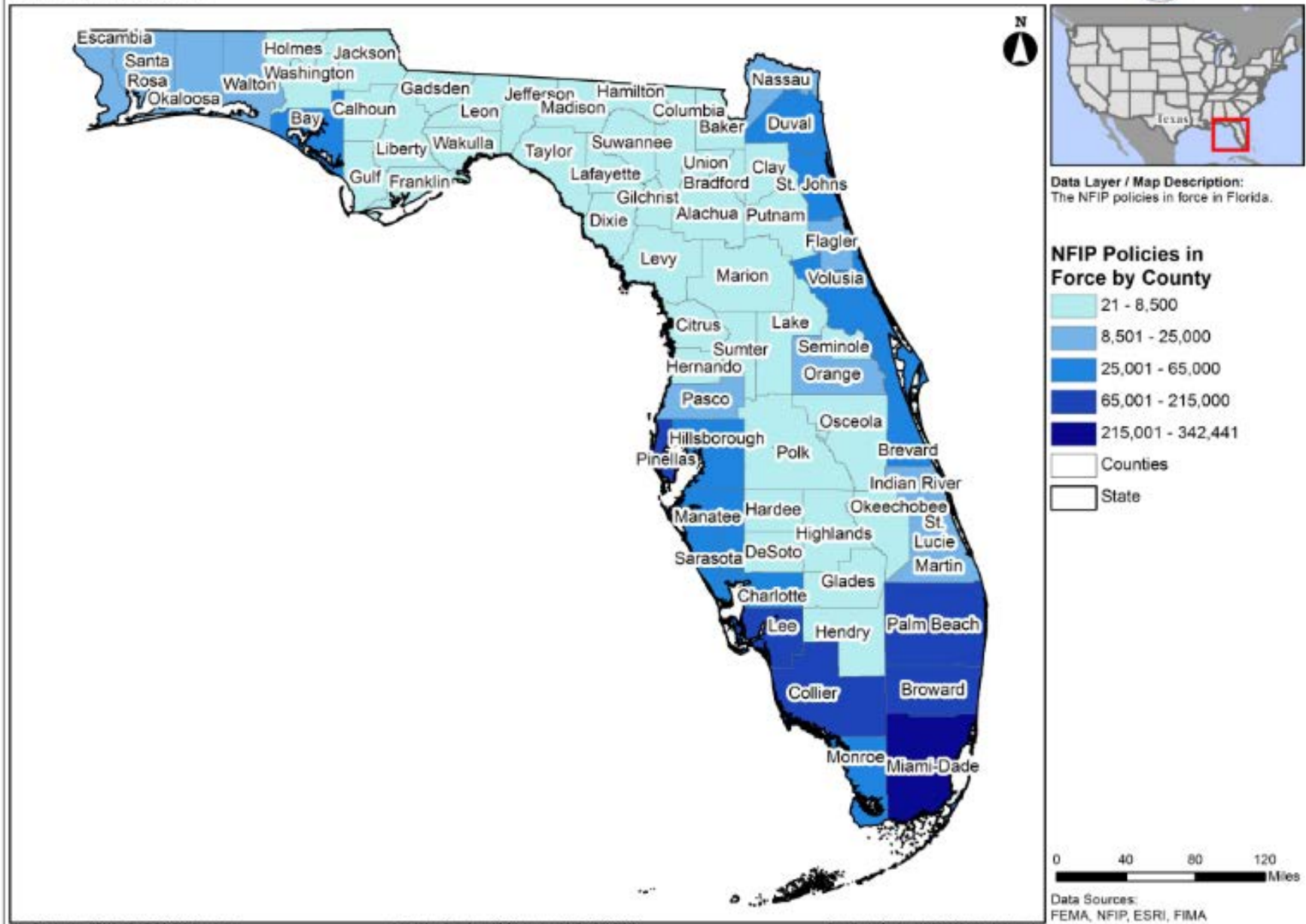
FEMA: MERS personnel (1)
DOD: Power Team

St. Croix

FEMA: R-IMAT II (10); MERS personnel (1);
DOD: R2 DCO/DCE + LNO (6), Power Team, Comms Team
USACE: Power Team

NFIP Policies In Force by County - Florida: (05 September 2017, 1300 EDT)

STATE OF FLORIDA



Senior Leadership Briefing
Post-Tropical Cyclone Harvey
Wednesday, September 6, 2017 (5:00 a.m. EDT)
Updates in Blue

Impact Summary:

- **Shelters:** 199 (-91) shelters open with a population of 33,267 (-1,108), including 192 (-92) shelters in TX with a population 32,202 (-877), and seven (+1) in LA with a population of 1,065 (-231) *(ESF-6 Update, September 5, 2017, 2:00 p.m. EDT)*
- **Fatalities:** Media reporting at least 63 fatalities; state has not confirmed fatalities number *(Associated Press and CBS, September 4, 2017, 9:27 p.m. EDT)*
- **Critical Infrastructure:**
 - Airports: All airports open without restrictions *(ESF-1 Update, September 4, 2017, 1:46 p.m. EDT)*
 - Ports:
 - All ports in affected area open with no restrictions except for the following, which are all open with restrictions: Corpus Christi, Victoria, Freeport, Houston, Beaumont, Port Arthur, and Lake Charles
 - Vessel Queue: 144 (+23) vessels are in-bound (including Pilots Inboard/Waiting Orders) to TX ports with 43 (+10) vessels out-bound *(ESF-1 Update, September 5, 2017, 12:44 p.m. EDT)*
 - Roads:
 - Most major highways in the Houston area have reopened with the following exceptions (greatest impacts now in the areas southwest of Houston):
 - Sam Houston Tollway (SL 8) is closed in both directions between IH-10 and Westheimer and TX State Highway 6 is closed north and southbound between Clay Road and IH-10, both due to high water
 - TX-87 is closed due to wash-out (structural damage), and may take longer to re-open than other roads
 - Northbound US-96 is closed over Village Creek Relief in Lumberton, TX
 - Portions of I-210 in Calcasieu Parish (before the LA/TX state line) are closed *(ESF-1 Update, September 4, 2017, 10:39 a.m. EDT)*
 - Rail:
 - Amtrak's Sunset Limited remains unable to operate east of San Antonio due to temporary track closures; no alternate route between New Orleans and San Antonio
 - Union Pacific Baytown branch line from Market Street yard to Dayton, TX has resumed service; has started repair work on the lines that link Houston and Beaumont, TX; repairs to the line are estimated to be complete in 48 hours *(NICC Update, September 5, 2017, 1:33 p.m. EDT)*
 - Kansas City Southern Railroad reports no service between Beaumont and San Antonio, TX *(NICC Update, September 5, 2017, 1:33 p.m. EDT)*
 - Power Outages:
 - **55,996 outages in TX (<1% of total state customers)** *(ESF-12 Situation Report #24, September 5, 2017, 3:45 p.m. EDT)*
 - Damage in remaining areas is extensive and in many cases is requiring complete replacement of utility poles, power lines, and other equipment *(NICC Update, September 5, 2017, 1:33 p.m. EDT)*
 - Communications:
 - Only two counties in TX have greater than 10% of their cell sites out of service: Aransas and Orange *(ESF-1 Update, September 5, 2017, 3:44 p.m. EDT)*
 - 101,602 (-1,015) landline consumers out of service *(ESF-2 Update, September 5 2017, 3:34 p.m. EDT)*
 - **Oil and Natural Gas:** Five refineries are in the process of restarting and one refinery has begun operations; six additional refineries in the Gulf Coast are operating at reduced rate *(ESF-12 Situation Report #24, September 5, 2017, 3:45 p.m.)*
 - Water:
 - 1,656 (67%) of approximately 2,469 wastewater treatment plants are fully operational in the affected counties

- Have verified status of approximately half (2,300) of the 4,500 drinking water systems potentially affected by Harvey; 1,514 (33.6% of all systems) are fully operational, 166 (3.7%) have boil-water notices, and 50 (1.1%) are shut down (*Office of Water Management Report, September 5, 2017, 12:17 p.m. EDT*)
- Beaumont's wastewater treatment plant is fully operational and running; all units are being powered by generator and fully functional; city is focusing majority of its resources on drinking water issues; drinking water plant expected to take more than a week before being fully capable of meeting demand and lifting the boil notice (*Office of Water Management Report, September 5, 2017, 12:17 p.m. EDT*)

Declaration Activity:

• Texas

- Major Disaster Declaration FEMA-4332-DR-TX effective August 25, 2017:
 - Amendment No. 5, effective September 4, adds seven additional counties (Austin, Bastrop, DeWitt, Gonzales, Karnes, Lavaca, and Lee) for Individual Assistance and assistance for debris removal and emergency protective measures (Categories A and B), including direct federal assistance, under the Public Assistance program, bringing the total number of counties under disaster declaration to 43 (*Amendment No. 5 to Disaster Declaration, September 4, 2017*)
 - Amendment No. 4, effective September 2, authorizes 90% federal cost share for debris removal, including direct Federal assistance, and a 100% federal cost share for emergency protective measures, including direct federal assistance, for 30 days from the start of the incident period, and then a 90% federal cost share thereafter (*Amendment No. 4 to Disaster Declaration, September 2, 2017*)
 - Federal Coordinating Officer (FCO) is Kevin L. Hannes (*Amendment No. 1 to Disaster Declaration, August 27, 2017*)
 - Federal Disaster Recovery Coordinator (FDRC) is Mike Byrne (*ESF-15 Update, September 1, 2017, 1:30 p.m. EDT*)

• Louisiana

- Emergency Declaration FEMA-3382-EM-LA effective August 27, 2017:
 - The total number of parishes under disaster declaration is 12 (*Region VI Situational Awareness Section, September 1, 2017, 12:01 p.m. EDT*)
 - FCO is William J. Doran II

Federal Force Laydown:

Department/Agency	Personnel Deployed	Department/Agency	Personnel Deployed
FEMA – Deployed	2,696	National Weather Service- NOAA	4
FEMA – Other Support	2,024	National Guard Bureau	17,894
Urban Search & Rescue*	-	DOD – Title 10	2,978
Health and Human Services	1,143	General Services Administration	45
Department of Transportation	23	U.S. Army Corps of Engineers	298
United States Coast Guard	1,149	Department of the Interior	226
DHS – NPPD*	-	USDA - U.S. Forest Service	328
Department of Energy	4	Small Business Administration (SBA)*	-
US Department of Agriculture	7	Transportation Security Administration	749
Law Enforcement (ESF 13)	1,380	Housing and Urban Development*	-
Customs and Border Protection*	-	Department of State	5
Civil Air Patrol	133	Environmental Protective Agency (EPA)*	-
			TOTAL: 31,086

*Updated personnel count to be provided in 5:00 p.m. Senior Leadership Brief (FEMA deployed through DTS as of September 6, 2017 3:30 a.m. EDT)

Responder Support Camps:

Location	Current Occupancy	Total Capacity	Start Date (Estimate)
USS Lexington (Corpus Christi)	0	350	9/3/2017
Walmart Box Store (Houston)	0	Up to 2000	9/5/2017
Cabaniss Field (Corpus Christi)	0	1000	9/6/2017
USTS General Rudder	0	50	9/6/2017
Ford Park (Beaumont)	0	Up to 1500	9/9/2017
USTS Kennedy	0	600	9/12/2017
USTS Empire State	0	650	9/16/2017

(RSS Update, September 6, 2017, 2:00 a.m. EDT)

FEMA Headquarters:

- National Response Coordination Center (NRCC) remains activated at Level I (24/7) (all Emergency Support Functions [ESFs] and Liaison Officers [LNOs]) (NRCC Planning Section Update, August 28, 2017, 4:00 p.m. EDT)
- DHS Crisis Action Team deactivated for Harvey response and recovery effort at 11:00 a.m. EDT on September 5 (DHSCAT Update, September 5, 2017, 10:38 a.m. EDT)
- Currently 34 states and 1 territory are supporting operations through Emergency Management Assistance Compact (EMAC) (EMAC SITREP # 20, September 5, 2017, 1:00 a.m. EDT)
- Federal agencies are using crowdsourced Harvey Rescue data for strategic planning and aid purposes; map available at: <http://fema.maps.arcgis.com/apps/webappviewer/index.html?id=c746aeaf0b394984ab40c82b47932a8c> (USGS Email, September 5, 2017, 3:45 p.m. EDT)
- **Recovery**
 - Total Individual Housing Program (IHP) registrations: 614,830 (+13,894) which is 56% of our total forecast and accounts for 24% of the total households in the disaster area. (Open Disaster Report, September 5, 2017, 11:05 p.m. EDT)
 - Total IHP dollars approved: \$176,251,449 (+\$9,472,900) (Open Disaster Report, September 5, 2017, 11:05 p.m. EDT)
 - Housing Assistance: \$76,267,441(+ \$6,993,728) (Open Disaster Report, September 5, 2017, 11:05 p.m. EDT)
 - Other Needs Assistance: \$99,984,008 (+\$2,479,171) (Open Disaster Report, September 5, 2017, 11:05 p.m. EDT)
 - 157,167 housing inspections issued; 39,586 complete (25% of issued) (Open Disaster Report, September 5, 2017, 11:05 p.m. EDT)
 - Surge staffing continues for FEMA Strategic Workforce Augmentation Team (SWAT) for taking calls from three NPSCs, FEMA pop-ups, Headquarters, all FEMA Regions, and from home; 4,252 staff, including SWAT, projected to be online with capacity for 64,761 calls (Recovery Contact Center Surge Staffing Timeline, September 5, 2017, 10:00 a.m. EDT)
 - 246,853 applicants eligible for Transitional Sheltering Assistance; 19,436 families signed in for a total of 55,428 people sheltered in hotels/motels (Transitional Sheltering Assistance Summary, September 5, 2017, 3:06 p.m. EDT)
- **Federal Insurance and Mitigation Administration**
 - Over 74,000 (+1,000) National Flood Insurance Program (NFIP) claims submitted
 - Over \$21.5 (+\$8.2M) in advance payments has been issued to insured survivors (FIMA Update, September 5, 2017, 1:39 p.m. EDT)
 - NFIP adjuster briefings will be conducted in Houston, TX on September 6 and September 8 (FIMA Update, September 6, 2017, 12:35 a.m. EDT)

FEMA Region VI:

- Regional Response Coordination Center (RRCC) activated to Level I (24/7)
- Joint Field Office (JFO) in Austin, TX open
- Working to depopulate mega shelters through casework and multiagency taskforces
- Will be finalizing housing program options over next several days (Interagency VTC call, September 5, 2017, 12:30 p.m. EDT)

- **Texas**
 - State EOC at Full Activation
 - Houston, TX under curfew from 10:00 p.m. to 5:00 a.m. until further notice (*ESF-13 Update, September 1, 2017, 11:41 a.m. EDT*)
- **Louisiana:** State EOC at Level III Partial Activation (*FEMA Region II Update, September 3, 2017, 4:00 p.m. EDT*)

Interagency Coordination/Response:

- **ESF-1: Transportation**
 - Identified 229 Federal Highway Administration (FHWA) engineers to support state inspection efforts upon state request; have conducted over 2,500 bridge inspections to date (*ESF-1 Update, September 5, 2017, 12:15 a.m. EDT*)
- **ESF-2 Communications**
 - Planning for demobilization of Thomasville MERS and Frederick MERS assets from Hurricane Harvey in progress; assets and personnel demobilized from Harvey will be made available to support a U.S. landfall of Hurricane Irma (*ESF-1, September 5, 2017, 1:37 p.m. EDT*)
- **ESF-3: Public Works and Engineering**
 - USACE Critical Public Facilities (CPF) management cell arrived at FEMA Region VI, TX Branch 3 on September 5 (*ESF-3 Update, September 6, 2017, 1:32 a.m. EDT*)
 - USACE continuing controlled releases at the Addicks and Barker reservoirs to bring them down at least three more inches to get water out of the houses upstream, then reduce flows
 - Addicks current elevation: 105.18 feet (-0.62) (flooding occurs 103 feet)
 - Barker current elevation: 97.66 feet (-0.54) (flooding occurs 95 feet) (*ESF-3 Update, September 5, 2017, 4:05 p.m. EDT*)
- **ESF-5: Information and Planning**
 - NOAA aircraft concluded mission to collect emergency response aerial imagery for Hurricane Harvey (*ESF-5 Update, September 5, 2017, 11:10 a.m. EDT*)
- **ESF-6: Mass Care**
 - Sheltering:
 - 199 shelters open with a population of 33,267; 192 TX shelters with a population 32,202, seven LA shelters with a population of 1,065 (*ESF-6 Update, September 5, 2017, 2:00 p.m. EDT*)
 - Completed TX request for Shelter Consolidation of State-managed shelters (*ESF-6 Update, September 6, 2017, 1:25 a.m. EDT*)
 - Voluntary Organizations:
 - Southern Baptist Disaster Relief maintaining current feeding operations, including 12 kitchens serving approximately 49,000 meals per day
 - Coordinating for location of a State Multi-Agency Warehouse (*ESF-6 Update, September 6, 2017, 1:25 a.m. EDT*)
- **ESF-7: Logistics Management and Resource Support**
 - Coordinating and planning redistribution of Harvey commodities from Region VI to Region IV staging areas in support of Irma
 - Contractor given notice to start build-out for the Ford Park Responder Camp in Beaumont, TX (*ESF-7 Update, September 6, 2017, 2:36 a.m. EDT*)
 - USS Lexington open and lodging 87 FEMA Corps members in Corpus Christi, TX (*ESF-7 Update, September 5, 2017, 1:34 p.m. EDT*)
 - 13 of 330 GSA owned and leased buildings in the affected area remain closed (*ESF-7 Update, September 5, 2017, 1:53 p.m. EDT*)

Commodities Staged in TX

Product	Number Ordered	Arrived ISB/FSA -	En route to State	Released to State
Generators	201	200	0	0
Meals	27,386,120	12,727,505 (+235,385)	3,278,322 (-171,847)	6,296,113 (+87,360)
Sheeting	8,000	8,064	0	0
Tarps	24,188	22,426	1,560	0
Water (Liters)	42,464,606	23,519,427 (+2,204,593)	6,700,022 (+326,524)	4,743,866 (+48,912)
Blankets	128,002	128,937	0	9,234
Cots	84,861	55,349	3,864	13,472
Fuel	600,000	123,480	4,000	0
Infants/Toddler Kits	483	437	40	20
Durable Medical Equipment (reusable)	39	15 (+2)	3	1
Consumable Medical Supplies (one-time use)	33	9 (+4)	2	1

Commodities Staged in LA

Product	Number Ordered	Arrived - ISB/FSA	En route to State	Released to State
Generators	29	29	0	0
Meals	1,419,000	1,475,076	0	416,124
Tarps	22,000	19,088	0	0
Water (Liters)	2,000,000	2,029,706	0	414,069
Blankets	4,500	5,202	0	0
Cots	2,100	2,160	0	0
Infants/Toddler Kits	10	20	0	0
Durable Medical Equipment (reusable)	1	1	0	0
Consumable Medical Supplies (one-time use)	1	1	0	0

(ESF-7 Update, September 6, 2017, 1:24 a.m. EDT)

- **ESF-8: Public Health and Medical Services**

- Hospitals:
 - Four (-3) (2.4% of affected area) hospitals remain closed: one (1%) in Houston, one (9%) in Victoria, and two (11%) in Corpus Christi, TX
 - Six hospitals (-2) are on internal disaster status and sheltering in place: two in Houston, two in Beaumont, one in Victoria, and one in Corpus Christi, TX
 - Dialysis Centers: of the 102 dialysis centers that closed on August 28, 83 (81% of total) are open while 13 (13%) remain closed
 - Nursing Homes: 50 remain closed (ESF-8 Update, September 6, 2017, 12:29 a.m. EDT)
 - 35 intermediate care/facilities for individuals with intellectual disabilities remain closed (ESF-8 Update, September 4, 10:03 p.m. EDT)

- **ESF-9: Search and Rescue (SAR)**

- All remaining FEMA US&R resources in TX demobilized and either departed the area or are preparing to depart (ESF-9 Update, September 6, 2017, 2:13 a.m. EDT)

- **ESF-10: Oil and Hazardous Materials Response**

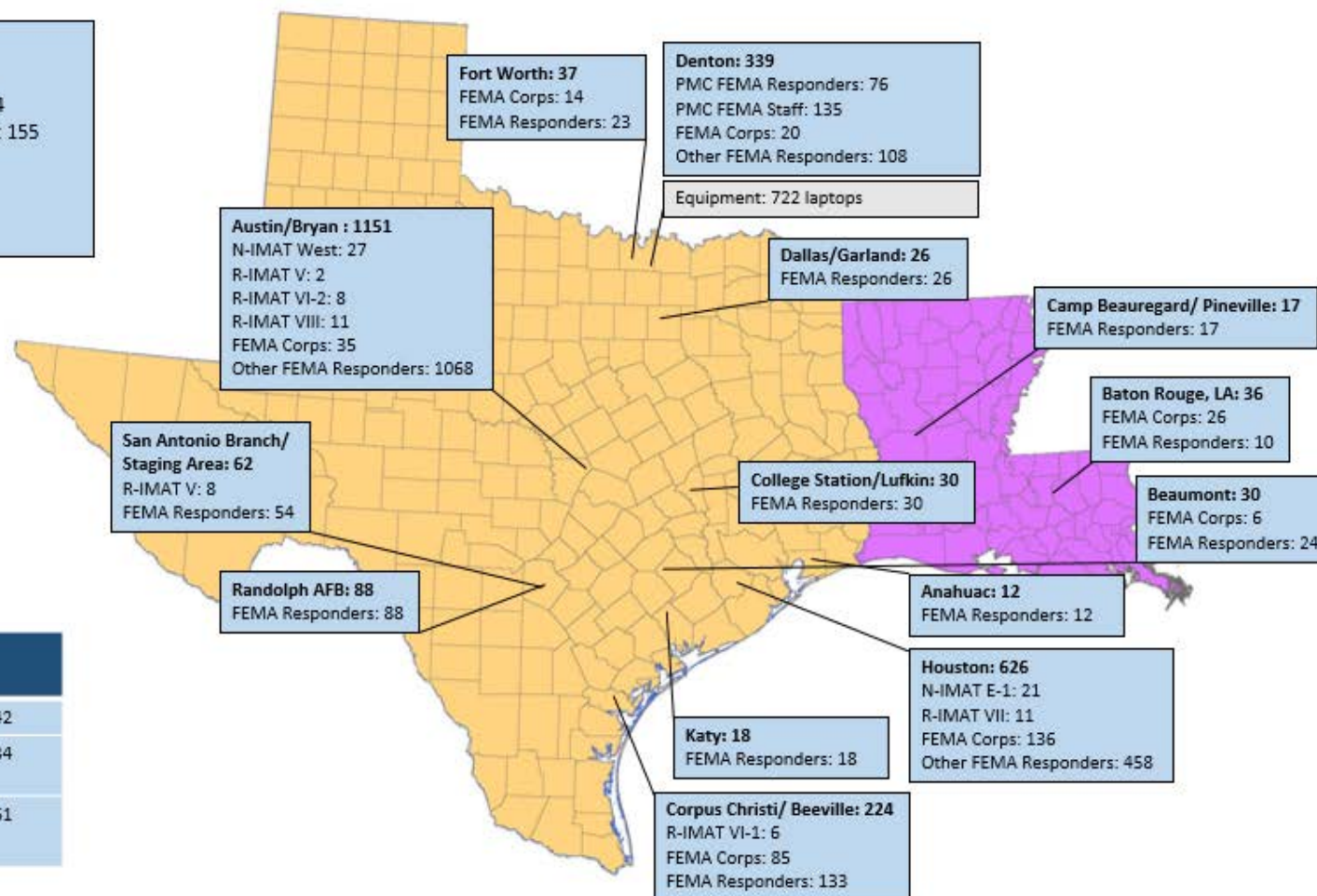
- EPA demobilized from the Arkema Chemical Plant response efforts; 1.5 mile evacuation lifted; air monitoring is no longer being conducted; TX Commission on Environmental Quality beginning mission cleanup September 6
- EPA completed remaining two initial assessments of all 41 Superfund sites on September 5; all results are forthcoming (Region VI Update, September 5, 2017, 11:26 p.m. EDT)
- EPA Assistance Teams are working directly with system operators to expedite bringing drinking water systems back to operational status; additional drinking water assessments should be completed by September 6 (ESF-10 Update, September 5, 2017, 2:00 p.m. EDT)

- **ESF-11: Agriculture and Natural Resources**
 - Coordinating with state and Federal partners to address carcass management, feeding shelter animals and shelter sustainment planning
 - Animal and Plant Health Inspection Service (APHIS) continuing support to the TX Animal Health Commission in conducting agriculture damage assessments; 29 of 47 counties' inspections completed; all 13 livestock supply points remain open (*ESF-11 Update, September 5, 2017, 10:27 pm. EDT*)
- **ESF-12: Energy**
 - Colonial Pipeline Line 1 (gasoline) operational from Houston, TX, eastward; pipeline is flowing at reduced rate per the startup plan (30% increase in supply) (*ESF-12 Update, September 6, 2017, 7:00 p.m. EDT*)
- **ESF-13: Public Safety and Security**
 - 517 Federal Law Enforcement Officers demobilized as of September 5
 - Law Enforcement Responder Camp in Katy, TX shut down; resources allocated to Camp near NRG Field (*ESF-13 Update, September 5, 2017, 11:23 p.m. EDT*)
- **ESF-15: External Affairs**
 - Engagement: Administrator Long and Texas Transportation Commission Chair meeting September 6 on recovery efforts (*ESF-15 Update, September 6, 2017, 12:18 a.m. EDT*)
- **U.S. Coast Guard (USCG)**
 - USCG will continue phased demobilization of air and shallow water assets for maintenance and crew rest, and assess impacts to USCG infrastructure, personnel and assets (*USCG Update, September 5, 2017, 2:15 a.m. EDT*)
- **U.S. Department of the Interior (DOI)**
 - United States Geological Survey (USGS) supporting Mission Assignments to flag and survey high water marks in TX and LA; this will inform flood mapping and future mitigation efforts (*DOI Update, September 5, 2017 11:45 p.m. EDT*)
- **U.S. Department of Defense (DoD)**
 - US Northern Command (USNORTHCOM):
 - DoD assets primarily focused on commodity distribution
 - NORTHCOM closely integrating with TX to transition all search and rescue efforts to state forces while standing ready to support response of other partners
 - DoD will provide Vector Control spraying assets as a part of sustainment and recovery efforts
 - Defense Logistics Agency (DLA):
 - Continuing to support shelf-stable meal and bottled water deliveries to TX; providing 1 million meals a day through September 10 (*DoD Update, September 6, 2017 1:01 a.m. EDT*)
- **National Guard Bureau**
 - Response forces continuing SAR/Ground Search missions and establishing and sustaining 76 distribution points in the Joint Area of Operations (*NGB Update, September 6, 2017, 1:48 a.m. EDT*)

Hurricane Harvey – FEMA Responder Laydown (As of Sept. 6, 2017 12:28 a.m. EDT)

Total FEMA Supporting Harvey:

Responders on the Ground: 2696
 Other FEMA Staff Supporting : 2024
 CDP supporting SCF mobilization: 155
 Other Distribution Centers: 37
 RRCC Staff: 108
 NRCC Staff: 395
 NPSC Staff: 1329



Surge Capacity Force

Denton/Dallas	242
Carson City, NV – SCF (Wave 2)	334
Anniston, AL – SCF (Wave 3)	361

Hurricane Irma – FEMA Responder Laydown (As of Sept. 6, 2017 12:49 a.m. EDT)

Total FEMA Supporting Irma:

Responders on the Ground: 197
 Other FEMA Staff Supporting: 173
 R2 RRCC Staff: 96
 R4 RRCC Staff: 77

FEMA Staff on Stand-by: 458
 Earmarked Staff Existing DRs: 215
 FEMA Corps available to support: 83

FCOs identified: Willie Nunn, Tom McCool

Durham (DR 4285): 164
 FEMA Responders: 164

Atlanta: 32
 N-IMAT E2: 13
 R-IMAT IV-2: 12
 Other FEMA Responders: 7

San Juan, PR: 101
 R-IMAT X: 8
 FEMA Corps: 6
 Other FEMA Responders: 87

Birmingham: 6
 FEMA Corps: 6

Tallahassee: 23
 N-IMAT E2: 8
 R-IMAT IV-1: 10
 Other FEMA Responders: 5

St. Thomas, VI: 6
 FEMA Responders: 6

St. Croix, VI: 29
 R-IMAT II: 10
 Other FEMA Responders: 19